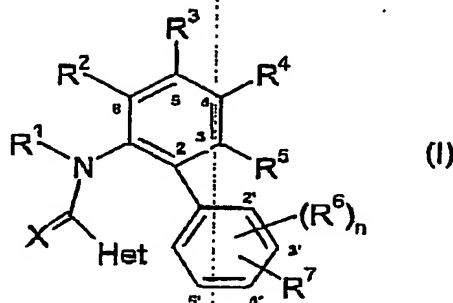


BEST AVAILABLE COPY

- 93 -

CLAIMS

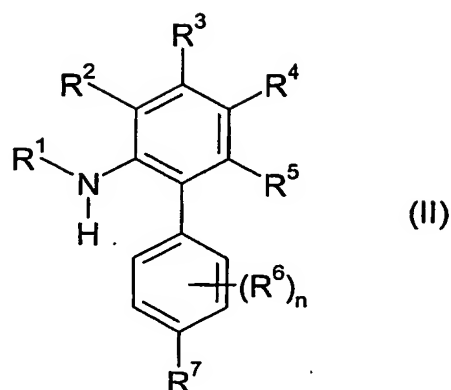
1. A compound of formula (I):



where Het is a 5- or 6-membered heterocyclic ring containing one to three heteroatoms, each independently selected from oxygen, nitrogen and sulphur, provided that the ring is not 1,2,3-triazole the ring being substituted by one, two or three groups R^y ; R^1 is hydrogen, formyl, CO- C_{1-4} alkyl, COO- C_{1-4} alkyl, C_{1-4} alkoxy(C_{1-4})alkylene, CO- C_{1-4} alkyleneoxy(C_{1-4})alkyl, propargyl or allenyl; R^2 , R^3 and R^4 are each, independently, hydrogen, halogen, methyl or CF_3 ; R^5 is hydrogen or fluorine; each R^6 is, independently, halogen, methyl or CF_3 ; R^7 is $(Z)_m C \equiv C(Y^1)$ or $(Z)_n C(Y^1) = C(Y^2)(Y^3)$; each R^y is, independently, halogen, C_{1-3} alkyl, C_{1-3} haloalkyl, C_{1-3} alkoxy(C_{1-3})alkylene or cyano; X is O or S; Y^1 , Y^2 and Y^3 are each, independently, hydrogen, halogen, C_{1-6} alkyl [optionally substituted by one or more substituents each independently selected from halogen, hydroxy, C_{1-4} alkoxy, C_{1-4} haloalkoxy, C_{1-4} alkylthio, C_{1-4} haloalkylthio, C_{1-4} alkylamino, $Li(C_{1-4})$ alkylamino, C_{1-4} alkoxycarbonyl, C_{1-4} alkylcarbonyloxy and $tri(C_{1-4})$ alkylsilyl], C_{2-4} alkenyl [optionally substituted by one or more substituents each independently selected from halogen], C_{2-4} alkynyl [optionally substituted by one or more substituents each independently selected from halogen], C_{3-7} cycloalkyl [optionally substituted by one or more substituents each independently selected from halogen, C_{1-4} alkyl and C_{1-4} haloalkyl] or $tri(C_{1-4})$ alkylsilyl; Z is C_{1-4} alkylene [optionally substituted by one or more substituents each independently selected from hydroxy, cyano, C_{1-4} alkoxy, halogen, C_{1-4} haloalkyl, C_{1-4} haloalkoxy, C_{1-4} alkylthio, COOH and COO- C_{1-4} alkyl]; m is 0 or 1; and n is 0, 1 or 2.

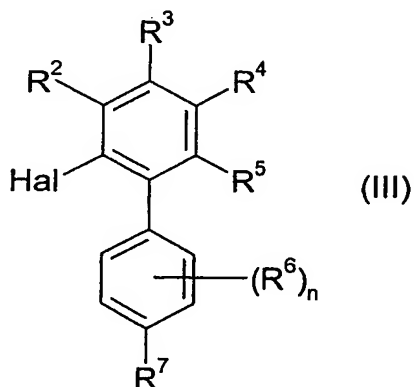
2. A compound of formula (I) as claimed in claim 1 where Het is pyrazole, pyrrole, thiophene, furan, thiazole, isothiazole, oxazole, isoxazole, pyridine, pyrazine, pyrimidine, pyridazine, 5,6-dihdropyran or 5,6-dihydro-1,4-oxathiane.
- 5 3. A compound of formula (I) as claimed in claim 1 or 2 where R¹ is hydrogen, propargyl, allenyl, formyl, COMe, COEt or COCH₂OMe.
- 10 4. A compound of formula (I) as claimed in claim 1, 2 or 3 where Y¹, Y² and Y³ are, independently, hydrogen, halogen, C₁₋₆ alkyl, C₁₋₃ haloalkyl, C₁₋₄(haloalkoxy)C₁₋₄alkyl, C₁₋₄(haloalkylthio)C₁₋₄ alkyl, trimethylsilyl, C₂₋₄ alkenyl, C₂₋₄ haloalkenyl or C₃₋₆ cycloalkyl (optionally substituted by one or more substituents each independently selected from halogen and C₁₋₂ alkyl).
- 15 5. A compound of formula (I) as claimed in claim 1, 2, 3 or 4 where m = 0.
6. A compound of formula (I) as claimed in claim 1, 2, 3, 4 or 5 where Z is C₁₋₂ alkylene [which may be optionally substituted by one or more substituents each independently selected from halogen, C₁₋₄ haloalkyl and C₁₋₄ haloalkoxy].
- 20 7. A compound of formula (I) as claimed in claim 1, 2, 3, 4 5 or 6 where R⁷ is in the 4' position.
8. A compound of formula (I) as claimed in claim 1, 2, 3, 4 5, 6 or 7 where n = 0.

9. A compound of formula (II):



where R^1 , R^2 , R^3 , R^4 , R^5 , R^6 , R^7 and n are as defined in claim 1; provided that when R^1 , R^2 , R^3 , R^4 and R^5 are each hydrogen and n is 0 then R^7 is not $CH=C(H)CH_2CO_2H$.

10. A compound of formula (III):



where R^2 , R^3 , R^4 , R^5 , R^6 , R^7 and n are as defined in claim 1 and Hal is bromo, chloro or iodo; provided that the compound is not a compound of formula (IIIa) according to Table 0.

11. A composition for controlling microorganisms and preventing attack and infestation of plants therewith, wherein the active ingredient is a compound of formula (I) as claimed in claim 1 together with a suitable carrier.

12. A method of controlling or preventing infestation of cultivated plants by phytopathogenic microorganisms by application of a compound of formula (I) as claimed in claim 1 to plants, to parts thereof or the locus thereof.